

## AE810/1610/2410 series Analog Card Datasheet

### Features

- ▶ Takes full advantage of Octasic hardware echo cancellation module to deliver the superior voice quality in all ports on FXO and FXS interfaces
- ▶ Adjustable interrupt routing design
- ▶ Interrupts frequency adjustment
- ▶ FPGA design, firmware field upgrade
- ▶ Up to 8, 16, 24 simultaneous PSTN calls (per PCI slot)
- ▶ 32-bit 33MHz PCI and fully PCI 2.3 compliant, compatible with all commercially available motherboards, and proper sharing of PCI interrupts
- ▶ 32 bit bus master DMA data exchanges across PCI interface at 132 Mbytes/sec
- ▶ Autosense compatibility with 5 V and 3.3 V PCI busses
- ▶ Certificates: CE, FCC, A-Tick
- ▶ trixbox™ officially certified
- ▶ Elastix® officially certified

Pictures

### Operating System

Linux (all versions, releases and distributions from 1.0 up)

### Requirements

- ▶ RAM 128 + MB Linux
- ▶ CPU 800+ MHZ
- ▶ Kernel 2.4.X or 2.6.X or 3.X
- ▶ PCI or PCI-E slot

### Environments

- ▶ Temperature: 0 ~50°C (Operation)  
-40 ~125°C (Storage)
- ▶ Humidity: 10 ~90% NON-CONDENSING

### Overview

OpenVox AE810/1610/2410 series card is a new generation analog card and whose name has an “E” after the first letter represents optional EC module and the last letter means PCI or PCI-E slot compatibility, for example, AE1610P is an A1610P with Octasic® Hardware Echo Cancellation Module and PCI slot is fit for it. With the interchangeable quad-FXS and quad-FXO modules, these analog cards can eliminate the requirements for separate channel banks or access gateways.







Once the Octasic® DSP modules are added to A810/1610/2410, please make sure you are ready to say goodbye to the poor voice quality and echo echo in your phone system. No one will even get a chance to hear that anymore! The A810/1610/2410 series card with Octasic DSP module will support Telco-grade hardware echo cancellation on all channels, up to the card’s maximum configuration in all ports with no additional CPU load.

They all work well with Asterisk®, Elastix®, FreeSWITCH™, PBX in a Flash, trixbox®, Yate™ and IPPBX/IVR projects as well as other Open Source and proprietary PBX, Switch, IVR, and VoIP gateway applications.

### Target Applications

- ▶ Small and Medium Business (SMB)
- ▶ Gateway Termination to analog
- ▶ Channel Bank Replacement / Alternative
- ▶ Small Office Home Office (SOHO)

3-Month "No Questions Asked" Return Policy  
Lifetime Warranty

Items						
Products	AE810P	AE810E	AE1610P	AE1610E	AE2410P	AE2410E
Bus Type	PCI 2.2+	PCI-E 1.0+	PCI 2.2+	PCI-E 1.0+	PCI 2.2+	PCI-E 1.0+
Ports	8 RJ11	8 RJ11	4 RJ45	4 RJ45	6 RJ45	6RJ45
FXS	FXS-400	FXS-400	FXS-400	FXS-400	FXS-400	FXS-400
FXO	FXO-400	FXO-400	FXO-400	FXO-400	FXO-400	FXO-400
Echo Cancellation	EC2032	EC2032	EC2032	EC2032	EC2032	EC2032
Denmensions(mm)	136.3×106.7×18	136.3×111.2×18	219×106.7×18	219×111.2×18	312×106.7×18	312×106.7×18
Weights(g)	88	85	142	128	175	155
DTMF Detection	✓	✓	✓	✓	✓	✓
Caller ID	✓	✓	✓	✓	✓	✓
Loopstart Signaling	✓	✓	✓	✓	✓	✓
Bus Master DMA	✓	✓	✓	✓	✓	✓
Voltage Detection	✓	✓	✓	✓	✓	✓